PIKE 1078

Flexible storage options for end users

The ASUS PIKE 1078 allows you to create RAID 0, RAID 1, RAID 10, RAID 5, RAID 50, RAID 6, and RAID 60 set from SAS hard disk drives connected to the SAS connectors on the motherboard.

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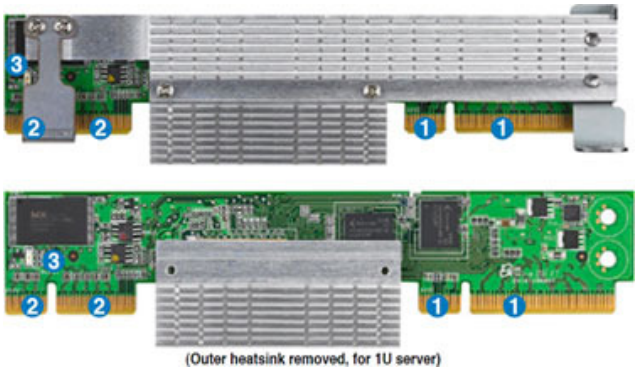

(Outer heatsink removed, for 1U server)

1. ASUS PIKE interface 1 : PCI-E x8
2. ASUS PIKE interface 2: 8-port SAS signal with SGPIO interface*
3. SAS RAID card status LED (lights up and blinks to indicate that the card is working normally)

* The SGPIO interface is used for visiblity into drive activity, failure and rebuild status, so that users could build high-performance and reliable storage systems. Refer to the motherboard manual for detailed information about usingthe SGPIO connectors on the motherboard.

- Optional PIKE 1078 (8-port SAS with Hardware RAID5 & RAID6) are available for SAS RAID support
- PIKE card enables on-demand upgrade, and allows customers to invest on basic SKUs for current use
- Reduce qualification resource and inventory management efforts
- Multiple I/O solutions are available without occupying slot 6 in 1U chassis

Package Contents

- ASUS PIKE 1078 SAS RAID card
- MEGARAID KEY i-BUTTON supporting 8 physical devices
- 4-port SATA to SAS cable x 2
- SGPIO cable x 2

- Support CD
- User guide

System Requirement

- Workstation or server motherboard with PIKE RAID card slot
- SAS or SATA hard disk drives and cables
- Supporting Windows® and Linux Operating systems
- Appropriate thermal solution
- Certified power supply module

Specifications

Chipset	LSISAS 1078
Interface	ASUS PIKE Interface
Ports	8 ports
RAID levels	RAID 0/ RAID 1/ RAID 10/ RAID 5/ RAID 50/ RAID 6/ RAID 60*
Devices supported	SAS and SATA II devices
Data transfer rate	SATA II and SAS 3 Gb/s per PHY
Form factor	6.44 in x 1.57 in (1U compatible)
Operating Systems Support	Windows(R) Server 2008R2/ 2008/ 2003/ 2000/ XP/ Vista Red Hat(R) Enterprise Linus 3/4/5 SUSE Linus Enterprise Server 8/9/10 LSI MegaRAID Storage Manager (MSM) Windows(R)/ Linux operating systems *Install the i-Button for PIKE 1078 to work properly
Note	Motherboard support: *Z8PH-D12 SE/QDR *Z8PE-D18 *Z8PE-D12 *Z8PE-D12X *Z8NR-D12 *Z8NA-D6 *P7F-E *DSAN-DX *KGPE-D16 *KFSN5-D/IST System Support: *RS704D-E6/PS8 *RS702D-E6/PS8 *RS700D-E6/PS8 *RS700D-E6/RS8 *RS700-E6/ERS4 *RS500-E6/PS4 *RS720-E6/RS12 *RS520-E6/ERS8 *RS300-E6/PS2 *RS300-E6/PS4 *TS700-E6/RS8 *TS500-E6/PS4 *TS300-E6/PS4 *RS160-E5

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
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